

Title (en)  
DRAIN ARRANGEMENT FOR A SQUEEZE FILM DAMPER

Title (de)  
ABLAUFANORDNUNG FÜR EINEN PRESSFILMDÄMPFER

Title (fr)  
AGENCEMENT DE VIDANGE POUR UN AMORTISSEUR À FILM D'HUILE

Publication  
**EP 3628879 B1 20221019 (EN)**

Application  
**EP 19193754 A 20190827**

Priority  
US 201816146719 A 20180928

Abstract (en)  
[origin: EP3628879A1] An oil scavenge system of a rotatable machine having an axis of rotation (240) is disclosed. The oil scavenge system comprises a sump housing (232), a scavenge conduit (230), a bearing (214), and a squeeze film damper (210). The sump housing (232) is arranged about the axis (240) and at least partly defining a sump (218). The sump housing (232) has a radially inner surface (234) for directing the flow of oil and defining a collection orifice (220). The scavenge conduit (230) is in fluid communication with the collection orifice (220) and a downstream location remote from the sump (218). The bearing (214) is disposed within the sump (218). The squeeze film damper (210) is positioned proximate the bearing (214). The squeeze film damper (210) comprises an annular channel (212) and a supply line. The supply line supplies oil to the annular channel (212). The squeeze film damper (210) further comprises a discharge line (216). The discharge line (216) is axially aligned with and discharges toward an inner wall (254) of the scavenge conduit (230).

IPC 8 full level  
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